

M 5.3, 41 km E of Qala i Naw, Afghanistan

Origin Time: 2022-01-17 11:40:08 UTC (Mon 16:10:08 local)

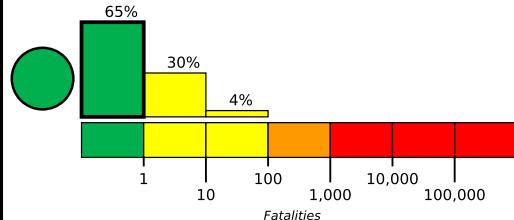
Location: 34.9460° N 63.5797° E Depth: 18.8 km

Created: 1 day, 0 hours after earthquake

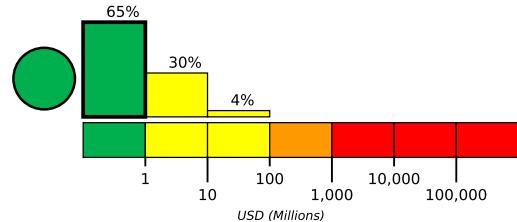
PAGER
Version 4

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	-*	4,893k	427k	42k	2k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud and timber post construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1979-11-14	369	6.5	VI(4k)	280
1979-11-27	363	7.0	VII(6k)	17
1997-05-10	368	7.2	VIII(16k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Qadis	<1k
IV	Qala i Naw	9k
IV	Ab-e Kamari	<1k
IV	Sang Atesh	<1k
IV	Qaryeh-ye Owbeh	<1k
IV	Bala Murghab	<1k
III	Ghormach	30k
III	Herat	273k
III	Maymana	76k
III	Fayroz Koh	15k
II	Shibirghan	56k

bold cities appear on map.

(k=x1000)

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000gclu#pager>

Event ID: us7000gclu